

SEQUENCE LISTING



<110> Goulmy, Els

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
HA-1

<130> 58994

<140> 09/269,250

<141> 1999-05-21

<160> 38

<170> PatentIn Ver. 2.1

<210> 1

<211> 377

<212> DNA

<213> Human

<400> 1

gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aaggggaggat 60
ggagggaggg acttggggag gtcagaagg gagggaggct cagatggcag ggagggctgt 120
gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc 180
cctgagcgta cactggctca agagggtgcc cactttatTT tttttaaagg atctgatggc 240
aatttaggagg gaaaggcaga gaaaaatgtcc catgcacagg ctcagaaaaca cggaaaacaga 300
gaatgcattt gggggccaag gtgtgggtg ccgctggtgtt aggatgaagg catgacaacg 360
ccaggcagaa gggcaat 377

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 2

gtgctgcctc ctggacactg

20

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

*CX
COM*

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 3
tggctctcac cgtcatgcag 20

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 4
tggctctcac cgtcacgcaa 20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 5
gcattctctg tttccgtgtt 20

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 6
cttaaggagt gtgtgctgca 20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 7
cttaaggagt gtgtgttgcg

20

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 8
gctgtcatgg cctcttccac

20

C
X
C
<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 9
gcattctctg tttccgtgtt

20

<210> 10
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 10
ggcagagagc cctcgcgacc

20

<210> 11
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 11
gtgtgttgcg tgacggtg

18

<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 12
gtgtgttgcg tgacg

15

CX
COP
<210> 13
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 13
tgtgtttgc gtgacg

16

<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 14
tgtgtgtc atgacggtg

19

<210> 15
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 15
tgtgtgctgc atgacggt 18

<210> 16
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

C
C X
CONX
<400> 16
gtgtgctgca tgacggtg 18

<210> 17
<211> 9
<212> PRT
<213> HUMAN

<220>
<223> Wherein Xaa at position 3 represents a histidine
(H) or an arginine (R) residue.

<400> 17
Val Leu Xaa Asp Asp Leu Leu Glu Ala
1 5

<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PRIMER

<400> 18
gctcctgcat gacgctctgt ctgca 25

<210> 19
<211> 24
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 19

gacgtcgatcg aggacatctc ccat

24

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 20

gaaggccaca gcaatcgatcc ccagg

25

C
C
C
C
<210> 21

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 21

ccttgagaaaa cttaaggagt gtgtgctgca

30

<210> 22

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 22

ccttgagaaaa cttaaggagt gtgtgttgcg

30

<210> 23

<211> 33

<212> DNA

*CH
CX
cont*

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 23
ccggcatgga cgtcgtagag gacatctccc atc 33

<210> 24
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PRIMER

<400> 24
ctacttcagg ccacagcaat cgtctccagg 30

<210> 25
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon
fragments

<220>

<221> CDS
<222> (1)...(27)

<400> 25
gtg ttg cgt gac gac ctc ctt gag gcc 27
Val Leu Arg Asp Asp Leu Leu Glu Ala
1 5

<210> 26
<211> 9
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Exon
fragments

<400> 26

Val Leu Arg Asp Asp Leu Leu Glu Ala
1 5

(1)
C X
CJM
<210> 27
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon
fragments

<220>
<221> CDS
<222> (1) .. (27)

<400> 27
gtg ctg cat gac gac ctc ctt gag gcc
Val Leu His Asp Asp Leu Leu Glu Ala
1 5

27

<210> 28
<211> 9
<212> PRT
<213> Artificial Sequence
<223> Description of Artificial Sequence: Exon
fragments

<400> 28
Val Leu His Asp Asp Leu Leu Glu Ala
1 5

<210> 29
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon
fragments

<400> 29
gtgttgcgtg acgggtgagag cca

23

<210> 30
<211> 37
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon
fragments

<400> 30
ctcactccga ctctccccag cagacacctt tgaggcc

37

C
C
X
C
M

<210> 31
<211> 39
<212> DNA
<213> Human

<220>
<221> CDS
<222> (1)...(39)

<220>
<223> PCR Product

<400> 31
gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgcc cgcc
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

39

<210> 32
<211> 13
<212> PRT
<213> Human
<223> PCR Product

<400> 32
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 33
<211> 39
<212> DNA

<213> Human

<220>

<221> CDS

<222> (1)..(39)

<220>

<223> PCR Product

<400> 33

gag tgt gtg ctg cat gac gac ctc ctt gag gcc cgcc cgcc
Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg

1 5 10

39

C
C
C
C
<210> 34

<211> 13

<212> PRT

<213> Human

<223> PCR Product

<400> 34

Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg

1 5 10

<210> 35

<211> 78

<212> DNA

<213> Human

<220>

<223> PCR Product

<220>

<221> CDS

<222> (1)..(78)

<400> 35

gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgcc cgcc gag tgt gtg
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val

1 5 10 15

48

ctg cat gac gac ctc ctt gag gcc cgcc cgcc
Leu His Asp Asp Leu Leu Glu Ala Arg Arg

20 25

78

<210> 36
<211> 26
<212> PRT
<213> Human
<223> PCR Product

<400> 36
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
1 5 10 15

Leu His Asp Asp Leu Leu Glu Ala Arg Arg
20 25

AI CX CMK

<210> 37
<211> 9
<212> PRT
<213> Human

<220>
<223> Wherein Xaa at position 2 represents Isoleucine or
Leucine

<400> 37
Tyr Xaa Thr Asp Arg Val Met Thr Val
1 5

<210> 38
<211> 9
<212> PRT
<213> Human

<220>
<223> Isolated Lysis-inducing peptides

<400> 38
Val Xaa His Asp Asp Xaa Xaa Glu Ala
1 5